

IN THE CLAIMS

Kindly amend the claims as follows:

1. (Original) An apparatus for sensing the location of user input comprising:
a display unit comprising:
a screen having a resistive coating disposed on said surface;
pre-existing internal signal generation means for providing a pre-existing signal emanating from said screen through said resistive coating;
a sensor array disposed about said screen;
sensing electronics coupled to said sensor array; and
said sensing electronics being configured to determine the location of user input on said screen by sensing localized deviations in the amplitude of said pre-existing signal.
2. (Original) The apparatus of claim 1, wherein said sensing electronics are configured to sense deviations in a voltage drop across said resistive coating.
3. (Original) The apparatus of claim 2, wherein said deviations are a result of attenuation cause by a user's body capacitance.
4. (Original) An apparatus for sensing the location of user input comprising:
a display unit comprising:
a screen having a resistive coating disposed on said surface;
signal generation means for providing a sensing signal emanating from said screen through said resistive coating;
a sensor array disposed about said screen;
sensing electronics coupled to said sensor array; and

said sensing electronics being configured to determine the location of user input on said screen by sensing localized deviations in the amplitude of said sensing signal.

5. (Original) The apparatus of claim 1, wherein said sensing electronics are configured to sense deviations in a voltage drop across said resistive coating.
6. (Original) The apparatus of claim 2, wherein said deviations are a result of attenuation cause by a user's body capacitance.
7. (Original) The apparatus of claim 1, wherein said display unit further comprises a horizontal synch signal, and signal generation means is further configured to generate said sensing signal approximately 180° out of phase with said horizontal synch signal.
8. (Original) The apparatus of claim 7, wherein said sensing signal is generated having an amplitude independent of the video intensity of said display unit.
9. (Original) The apparatus of claim 1, wherein said apparatus is further configured to perform a calibration routine when no user input is sensed for a predetermined period of time.
10. (Original) An apparatus for sensing the location of user input comprising:
a display unit comprising:
a screen having a resistive coating disposed on said surface;

pre-existing internal signal generation means for providing a pre-existing signal emanating from said screen through said resistive coating;
microprocessor sensor signal generating means for generating a sensor signal out of phase with respect to said pre-existing internal signal, said sensor signal generating means further configured to emanate said sensor signal from said resistive coating;
a sensor array disposed about said screen;
sensing electronics coupled to said sensor array; and
said sensing electronics being configured to determine the location of user input on said screen by sensing localized deviations in the amplitude of said sensor signal.

11. (Original) The apparatus of claim 10, wherein said sensing electronics are configured to sense deviations in a voltage drop across said resistive coating.
12. (Original) The apparatus of claim 11, wherein said deviations are a result of attenuation cause by a user's body capacitance.
13. (Currently Amended) The apparatus of claim ~~13~~10, wherein said sensing signal is generated having an amplitude independent of the video intensity of said display unit.
14. (Original) The apparatus of claim 10, wherein said apparatus is further configured to perform a calibration routine when no user input is sensed for a predetermined period of time.

15. (Original) The apparatus of claim 10, wherein a sensing signal is generated for each of said sensors of said sensor arrays.